



COLORADO SPRINGS,
COLORADO

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Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935

September 1996



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* Board Member—	Harry Russell	NØSFP	11710 Tracy Ln	Peyton	80831	749-0244

* This Officer/Director is completing the last year of their second-year term.

The Ø-Beat is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see the last page of this publication. Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6. These rates are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA page on the World Wide Web! Go to: <http://rainbow.rmii.com/~mugele/ppraa/>

Deadline for submission of articles or advertisements is the 20th of each month. Submissions are accepted in any form. Articles should be sent directly to the Ø-Beat Editor (email to jboyes@kktv.com is preferred.) Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the Pikes Peak Radio Amateur Association are held on the 2nd Saturday of February, April, June, August, October, and December.

Testing takes place at 9 A.M. at:

Denver Technical College
225 South Union
Colorado Springs

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

1. \$6.05 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.
4. A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele. KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

Ø-Beat Editor	Jeff Boyes	NØJLH	577-6029
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Publicity	Aaron Pelouze	KD6FLM	282-9715
Public Service	Mike Stansberry	KØTER	636-1290
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Technical Instruction	Al Bailey	ADØZ	597-8514
	Linda Hedges	KBØRKW	520-9238
VE Testing	Erik Mugele	KGØXE	596-5345

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison			
RACES Liaison	Larry Dunn	N9HSW	481-0369

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at the Disabled American Veterans Hall, 6880 Palmer Park Blvd. The meeting will start at 7 PM.

Zero Beat

PPRAA General Membership Meeting Minutes August 14, 1996

The general membership meeting was opened at 1900 hrs by the president Rob Roller WB7WHT upon determining a quorum of the membership was present. Members and guests introduced themselves. The treasurer report was given by Mary, KBØSHP. The minutes of the last General Membership meeting as published in *Ø-Beat* were approved.

Committee Reports:

Ø-Beat: Everyone is reminded that cutoff date for inputs to the next issue will be 20 Jun.

Election of the Vice President: As a result of the resignation of Doug, WBØMHP, an election was conducted to fill the remaining term of the Vice President. Rob reviewed the responsibilities of the Vice President position.

Nominations were accepted from the floor. Les KCØNC and Al NØCMW were nominated. A closed ballot election was held and Les, KCØNC was elected to fill the remaining VP term.

George, WBØDUM, needs three volunteers to support the Colorado HAssociation. Those interested should see George during the break.

Rob turned the meeting over to Les as Vice President so that he could bring up a members concern. The concern dealt with the unexcused absence of two of the Board members for two months which

under the PPRAA bylaws amounted to their resignations. After a discussion by the members, a motion was made by Roger French and seconded to waive the Bylaws concerning missing board meetings in the case of Mary, KBØSHP and Harry, NØSFP. The motion as voted on and passed.

If anyone picked up some cable on field day from near the trailer, it can be returned to Harry who will store it with the trailer as a part of PPRAA equipment.

The MARC Camp/Swapfest will be held on 24-25 Aug outside of Woodland Park. See the *Ø-Beat* for more details.

The Hammy Award was given by Dave, NØUVR to Doug WBØMHP who accepted it on behalf of the Volunteers Examiner who are the unsung hero's of Amateur radio.

Respectfully submitted by Warren, WØYNE, Secretary

The next board meeting will be held on Monday, September 16, at 7 PM at WB7WHT's home. Please call if you're planning on attending so Rob can set out enough chairs.

PPRAA Board Meeting Minutes August 18, 1996

The Board meeting was opened at 1417 hrs by the president, Rob Roller, at the AFA Picnic Area #3. Members present were Rob, WB7WHT, Les KCØNC, Warren, WØYNE, Mary, KBØSHP, Jeff, NØWPA, Gloria, NØZFX, Harry, NØSFP, Ron, NKØP, and Jeff, NØJLH.

Guests present were Rosie, WAØMNL, and Harvey, W3EIB.

Committee Reports:

Swapfest: Mary briefed on the Swapfest finances and changes to the State Raffle rules.

Old Business:

Rob briefed on the status of the Board manual which is being prepared.

Club property was discussed by the board.

New Business:

The Boy Scout Jamboree on The Air (JOTA) will be held in the fall. Rob will be looking for someone to chair the committee and work with the Boy Scouts.

Harvey, W3EIB, spoke about the anniversary issue of *Ø-Beat*. He and Al had put together a form to gather data about the PPRAA for the special issue.

The board discussed the question of a leased storage area to handle all the PPRAA property. Jeff, NØWPA had previously reported that the units he looked at had

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increased to \$100+ per month rental. Jeff, NØJLH, will check on storage areas around where he lives. The discussion then extended into the position of equipment custodian and how it relates to board position. It was suggested that a board member might be a liaison to the custodian. Harry, NØSFP, made a motion to create a committee with a chairman whose title would be "Equipment Custodian." The motion was seconded and carried.

Warren, WØYNE, report that the price of identification labels had gone to \$95. A motion was made by Jeff NØJLH and seconded to approve the increased spending.

Being no further business the meeting was adjourned at 1509.

Respectfully submitted by Warren, WØYNE, Secretary

PPRAA Special Board Meeting Minutes August 14, 1996

The Special Board Meeting was held just prior to the General Membership Meeting on August 14, 1996, at the DAV Hall. The purpose of the special board meeting was to consider two requests. One concerned the use of the PPRAA trailer this coming weekend and the other dealing with the acceptance of gifts to the PPRAA. Members present were Rob, WB7WHT, Warren, WØYNE, Mary, KBØSHP, Jeff,

NØWPA, Harry, NØSFP, Ron, NKØP, and Jeff, NØJLH.

A motion was made by Harry, NØSFP and seconded to allow Bob Antion to use the PPRAA trailer this weekend to support a public service event. Motion passed.

A second motion was made by Ron, NKØP and seconded to accept the gift of amateur equipment and provide a year membership to Ø-Beat. Motion passed.

Being no further business the meeting was adjourned at 1849. Respectfully submitted by Warren, WØYNE, Secretary

El Paso County HF Roundtable

Sunday evenings just after the El Paso County RACES 7:30 PM (local) HF net, on 28,385 mHz.

Everyone is invited to check in.

Welcome Our New Members

Charles Brett		495-8660
Patricia Conner	KBØREF	520-0144
Bill Erby	KBØUVE	599-7820
Jeff Griffin	KGØYE	574-7217
Deborah Griffin	KBØWIX	574-7217
Steve Kator	KBØVIR	579-8398
Cindy Kator	KBØWXA	579-8398
Billie Myrick	NG5G	382-7403
Richard Sweat	NØIKE	596-7773
Roxy VanHoutan	KEØOW	635-4009

You Could Be \$50 Richer Just For Reading This! Rosie Calaway, WAØMNL

If you are the person who chose the OEM Parts \$50 gift certificate at our 1995 (Yes, 1995!) Swapfest, you can be \$50 richer. Just contact me (471-9965.) I will arrange for you to claim your prize. Thanks.

QST de W1AW ARRL Bulletin 50 From ARRL HQ August 6, 1996 To all radio amateurs

New FCC RF safety standards effective January 1, 1997, could affect the way some hams operate, perhaps especially those using vehicle-mounted antennas. As a result of a Report and Order adopted by the FCC on August 1 (ET Docket No. 93-62, Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation), Part 97 will require hams running more than 50 W PEP to conduct routine RF radiation evaluations to determine if RF fields are sufficient to cause human exposure to RF radiation levels in excess of those specified. "Measurements made during a Commission/EPA study of several typical amateur stations in 1990 indicated that there may be some situations where excessive exposures could occur," the FCC said in ending the blanket exemption for Amateur Radio. Amateur operation at power levels of 50 W PEP or less is "categorically excluded" from the

Zero Beat

exposure requirement in most cases. Where routine evaluation indicates that the RF radiation could be in excess of the limits, "the licensee must take action to prevent such an occurrence," the Report and Order stated. The FCC said this could mean altering operating patterns, relocating the antenna, revising the station's technical parameters--such as frequency, power or emission type--or "combinations of these and other remedies."

"Exactly what is involved in conducting a 'routine RF radiation evaluation' is not yet clear," observed ARRL Executive Secretary David Sumner, K1ZZ, adding that the FCC has promised to release a revised OST/OET Bulletin Number 65, "Evaluation Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." The League is now studying the 100-plus page docket, to see if the League should seek reconsideration of any aspects of the FCC decision. Sumner noted that the FCC expects it will not be difficult for most amateur stations to show that the specified limits will be met.

In the Report and Order, the Commission adopted Maximum Permissible Exposure (MPE) limits for electric and magnetic field strength and power density for transmitters operating at frequencies from 300 kHz to 100 GHz. These MPE limits are generally based on recommendations of the National Council on Radiation Protection and Measurement (NCRP) and, in

many respects, are also generally based on the guidelines issued by the Institute of Electrical and Electronics Engineers Inc. (IEEE) and subsequently adopted by the American National Standards Institute (ANSI) as an ANSI standard (ANSI/IEEE C95.1-1992). The Commission used the 1992 ANSI/IEEE standards instead of the 1982 ANSI standards that had formed the basis for the existing rules under which Amateur Radio stations were categorically exempted.

Sumner said that for high-power mobile operation and for operation with indoor antennas, particularly in apartment buildings and other situations where there is "uncontrolled exposure" to neighbors and the general public, "amateurs may well have to make changes in how they operate." He said the ARRL Lab staff and the RF Safety Committee will be evaluating the new requirements.

MILEY'S RADIO

Jess, KØTAA

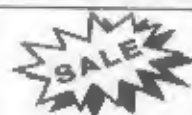
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rugged construction. Needs 13.8 volts at about 32 amps. \$300.00
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Ron, NKØP 593-8352

For Sale:

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Message from the President Rob Roller, WB7WHT

WB7 What Has Two ...

tails, two trunks, and five feet? Give up? Well, in case you can't tell, that's a joke. What's the answer? You could use your imagination or something to come up with one. The last thing I expected to be writing here is a joke. But I'll leave the answer out for now. Speaking of jokes and imagination, though, it's usually the

April issue that contains a few of those. Do you remember our last April issue? There was an article on a new product called CAM radio? Go back and pull it out if you have it. It was an anonymous article but I'll give it away - I wrote it. You can tell because the first letter of each paragraph spells out my suffix.

But, about the article itself. When I wrote it I was being a bit facetious about using the internet to interconnect repeaters and use a modified transceiver to access other repeaters across the nation via Internet. But I also thought it would be someday possible and figured someone else had the same idea. Well, yesterday I received some e-mail from one of those technical mailing lists and lo and behold there's a web site touting their shareware to do something similar. So now it's possible to use your computer, equipped with a microphone and speakers to access a repeater somewhere else.

Amazing, but we knew it was coming. Of course, my humorous articles went way beyond that and created an automated system, with a transceiver that did all of the commanding, and requires no manual intervention. I still think it's possible, just a matter of time. Oh, an elephant with spare parts. That's the answer. To the joke.

Remember? Two trunks, two tails,

and five feet? Okay, so it's not the best joke.

Okay, all joking aside, at least for a while. In case you didn't make the meeting last time, Les Borst, KCØNC, has agreed to fill in for the remainder of the vacant vice-president's term. Thanks, Les, for filling in the gap. It's a short term for Les but important nevertheless. Then one of you lucky and imaginative souls will run in the October elections for the next vice-president. In fact, all club officer positions come up for election in October and we'll be looking for four new board members. Keep that in mind, then contact the board to get nominated.

Good to see some of you out there at the picnic last month. Some familiar faces and some new faces. And some of Ron NKØP's burgers. What more could you ask for? Good weather, I suppose. Actually it wasn't too bad - just a sprinkle of rain.

But the change in weather and the kids back in school gives me the feeling that summer's ending. Time to wrap up all of those unfinished summer projects (antennas, and other outdoor activities) and get ready for the colder months. Make sure all of those radios are working properly so that you can stay radioactive when it's snowing.

outside. That linear is meant to keep your feet warm as well.

And speaking of linears, higher power could mean you'll have to subject your station to RF radiation tests to see if you might have a station that exceeds maximum recommended exposure levels to electrical and magnetic fields. But don't get too excited too soon. The words that I saw stated that the new guidelines will apply to applications for stations filed after Jan 1, 1997. If you already have a station on the air now, you're not subject to the rules until you have to reapply for a change in station license or renew your license. That's my understanding. The FCC is allowing ample time for compliance - up to 10 years for amateurs, depending on your license expiration date. I've got until 2002. Maybe by then there'll be ample ways to comply without exorbitant cost or restrictions.

Back to the subject of imagination for a while. The last *Q-Beat*, as Jeff mentioned, was a little on the lightweight side, meaning it lacked some articles from you. Use your imagination and send some short or long articles to Jeff. As I'm writing this I don't know how big the September issue will be. But I'll find out soon enough. That's about it for now. See you at the next meeting. 73!

ATTENTION SCANNER

ENTHUSIASTS - The regional scanner frequency guide "Frequency One" by Ken Wyatt (WA6TTY) may now be obtained from Centennial Electronics, 2324 E. Bijou, in Colorado Springs. Frequency One includes over 1200 public safety, aircraft, federal, and military frequencies for the four counties surrounding Pikes Peak (El Paso, Teller, Pueblo, and Fremont). The guide is also available through the Radio Shack store in Woodland Park. Frequency One is over 80 pages and retails for \$15.00. Those outside the area may order Frequency One by sending a check or money order made out to Ken Wyatt, 56 Aspen Dr., Woodland Park, CO 80863. Please add \$3 for shipping/handling.

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County Hunting:

The Never-Ending Contest?

Rob Roller, WB7WHT

After hearing Butch Turner KA0WWT talk on contesting at the last club meeting, and having a friend who is a county hunter, I though this would be an appropriate time to submit this short article.

It's always been a goal of many an amateur to see how many different places he or she can work. Many amateurs are somewhat familiar with some of the more popular awards, like the Worked All States (WAS) or the DXCC Award.

Not as many folks are as familiar with the County Hunters, though. The goal is for one amateur to work other amateurs in all 3,076 counties in the USA. County Hunting started in the 1950's as one of the many awards offered by K6BX. Awards are offered for working multiples of 500 counties, right up to the coveted award for working 3,076 counties. Early County Hunting required contacting fixed stations in as many counties as possible since mobile HF operations wasn't common. Since mobile HFing has become quite common it's possible to work mobile stations in every US county. In fact, that's how you're going to work some counties because these counties don't have any residents that are amateurs.

Recently a County Hunter from the mainland visited Hawaii specifically to give the opportunity for other amateurs to work all of the

counties in Hawaii. (I'm sure he took in some non-amateur recreation as well!) There's one county in Hawaii that's considered private property and there's no amateurs living there. So I'm sure this was quite an event for other County Hunters.

Many of the County Hunters are equipped with all-band mobile transceivers and antennas in their vehicles. A lot of them are truck drivers that are on the road all the time, constantly checked in to one of the County Hunters nets. You'd also be surprised to know how many mobile CW operators. Quite a few!

In Colorado counties like El Paso and Jefferson are probably easily worked. However other counties like Lake and Hinsdale are very difficult to work. That's why the County Hunters have organized schedules so that other hunters know when hard-to-work counties will be visited.

The County Hunters have their own SSB and CW nets on several bands. Listen in 14336 kHz for SSB and on 14056.5 kHz for CW. As with checking in to any net, listen for a little and you'll hear a pattern for the information that's exchanged. But don't listen too long - jump in and contact your first county. You'll soon be on your way to the challenge of a lifetime.

County Hunters also have regular conventions and contests. A recent

search on the ARRL web server turned up a listing for an upcoming contest sponsored by the Mobile Amateur Radio Awards Club (MARAC). It's on 4 May 0000Z to 5 May 0000Z on 3575, 7040, 14050, 21050 and 28050 kHz. CQ Magazine handles the awards and prints a column in its magazine listing recent recipients of the USA-CA. There's even a place for an amateur to describe their experiences with County Hunting.

It's certainly one of the more difficult challenges in amateur radio. I hear it's possible to work all counties in less than a year but I'd guess those folks are retired (or rich and don't have to work) and can afford to spend a year of their life doing nothing but hunting counties.

When it's all over (and it may take years) you know you've made quite an accomplishment and can finally breathe a sigh of relief, knowing that you've worked someone in all 3,076 counties. So for your years of effort you'll be rewarded with the handsome United States of America - County Award (or USA-CA) certificate.

For more information check out the County Hunters web site at <http://www.delve.com/ch/> or get in touch with W0OWY or W0NNH. They've been county hunting for years and can help you get started. Happy Hunting!

Cellular Tower Issue Worth Watching Rob Roller, WB7WHT

On Sunday, July 21, 1996, the Gazette-Telegraph ran an article called "Cellular tower regulations due for fine-tuning". The article described how cellular towers are springing up all over the place and how battles are taking place over how the towers look and where they are erected. The city planner working this issue, Bob Tegler, is in the process of drafting regulations that outline where the towers can go and how high they can be.

This whole tower issue has the potential to affect amateur radio towers, especially if neighborhood groups get involved in specifying how these towers will look or where they can go. Unless the regulations specify explicitly cellular phone towers, things can get out of hand quite easily.

I spoke with Mr. Bob Tegler on August 7 to see what we as amateur radio operators can do to stay aware of the regulation fine-tuning. Mr. Tegler explained that he hasn't done much since that article first appeared but would like to have the issue dealt with completely by the end of the year. Mr. Tegler is working with a number of city officials and others, including a group he called a citizen's telecommunications policy advisory committee. This committee, he says, is made up of citizens selected by the city planning commission and members

of utilities, and other city groups. I'm not sure if industry is on the committee, but I suspect it could be. He took my name and number and said he'd keep me informed when public participation is invited.

Meanwhile, Mr. Tegler faxed some other information to me that is an interpretation of the ordinances that will likely be affected by the fine-tuning. The process will end in a hearing by the city planning commission and then by approval by the city council, at a date sometime in the future. Mr. Tegler can be reached at 578-6692 if you have any questions for him.

If anyone in our amateur radio community has experience dealing with the city planners and would like to volunteer to monitor this issue on behalf of the PPRAA and the community in general, please give me a call or come to one of the PPRAA meetings and keep up posted. The more we know what's happening, the better we can react to an undesirable tower regulation.

Editor's Notes Jeff Boyes, NØJLH

Thanks for making this issue easy to fill! I appreciate it! I said this last month, but it bears repeating: "I know the summer months are busy for everyone, but please remember that this is **your** club and we **all** need to contribute to it's success." Let's keep up the momentum. 73

"How to Sound Like a LID" by Rusty Bumpers, NØLID.

[This article came from the Colorado Repeater Association's Web page and was submitted by a member of the PPRAA. Don't forget, it's meant in the spirit of fun. Ed.]

Lately, on two meter FM, I've noticed a tendency of more and more people making a concerted effort to sound like a LID (i.e. Poor Operator). Since this appears to be the new style in amateur radio, I thought I would present this handy guide to radio nerd-dom. The following is what I call, "How to sound like a LID in one easy lesson." If you follow these simple suggestions you're sure to become a LID in no time at all.

1) Use as many Q signals as possible. Yes, I know they were invented solely for CW and are totally inappropriate for two meter FM, but they're fun and entertaining. They keep people guessing as to what you really meant, i.e. "I'm going to QSY to the kitchen." Can you really change frequency to the kitchen? QSL used to mean, "I am acknowledging receipt." Now it appears to mean "Yes" or "OK". I guess I missed it when the ARRL changed the meaning. I especially like hearing somebody say, "I'll be at my QTH in about twenty minutes." I've been wondering if people that say this are having an out-of-body experience and it's going to take them twenty minutes to get back.

2) Never laugh, when you can say "hi hi". No one will ever know you aren't a long time CW ragchewer if you don't tell them. They'll think you've been on since the days of Marconi.

3) Always say "NØLID for I.D." (Insert your own call.) Anything that creates redundancy is always strongly encouraged. I thought that saying one's call sign was already for I.D. but what do I know? That's why we have the Department of Redundancy Department. Please note that you can follow your call with "for identification purposes" instead of "for I.D." While taking longer to say, it's worth far more LID-points.

4) Utilize an alternative vocabulary. Use words like "destinated" and "negatory". It's okay to make up your own words here. "Yeah Bill, I pheelbart zaphonix occasionally myself."

5) When you attempt a contact with one of your pals and they don't answer, always say, "Nothing heard, this is NØLID clear." (Insert your own call.) Those listening won't have heard anything either. At least they'll know their hearing is okay.

6) The better the copy on two-meter FM, the more you should phonetically spell your name, especially if it's a short and/or common one, i.e. "My name is Al... Alpha Lima" or "Jack... Juliett Alpha Charlie Kilo." If at all possible, make up unintelligible phonetics. "My name is Bob... Billibong Oregano Bumperpool."

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7) Whenever possible, use the wrong terminology. It keeps people guessing. Use "modulation" when you mean "deviation" and vice-versa. And even if the two-meter FM amplifier you're using is a Class C type amp, and thus not biased for linear amplification, be sure to call it your "linear". Heck, refer to all FM style amplifiers as "linears". You'll be king of the "wrong terminology" hill.

8) If someone asks for a break, always finish your turn, talking as long as possible before turning it over. Whenever possible, pass it around a few times first. This will discourage the breaker and, if it is an emergency, will encourage him to switch to another repeater and not bother you. You'll be racking up those LID-points like crazy, on your way to being King-of-the-LIDs.

9) Always give the calls of yourself and everyone who is (or has been) in the group, whether they are still there or not. While this has been unnecessary for years, it's still a wonderful memory test.

10) Always ask involved questions of the person who is trying to sign out. Never let him get by with a yes or no answer. Make it a question that will take a long time to answer. If you can't think of a good question, just make sure you turn over a round table conversation to one of the ex-participants. You'll have lid points galore and impress your friends when you acknowledge somebody who checked out of the conversation. This will confuse everyone enough

that the repeater will stay silent for awhile

11) If you want to break into a conversation, just say part of your call sign. Do it real quickly, especially if you think the people already using the repeater aren't paying attention. Just jump in and say, "L I D." (Insert your own suffix.) The FCC doesn't really care if we use our call signs, they only issued them so we could have those cool amateur plates on our cars. When you break into a conversation this way somebody's bound to ask for your entire call, this ties up more repeater time and you score more LID points.

12) The less you know about a subject, the more you should speculate about it on the air. The amount of time spent on your speculations should be inversely proportional to your knowledge.

13) If someone on the repeater is causing interference, you should talk about that person at great length, making sure to comment on at least four out of six of the following: (a) His mental state; (b) His family; (c) His intelligence or lack of same; (d) His sexual preference; (e) His relationship to small animals; (f) His other methods of self entertainment. Make sure you threaten him if he says something vulgar. This way you're sure to know he'll stop immediately.

14) If you hear two amateurs start a conversation on a repeater with an autopatch, wait until they're 20 seconds into their contact, then

break-in to use the patch. Make sure that it's only a simple routine phone call. It's also very important that you run any autopatch you use for the full three minutes. This way, once the two amateurs you interrupted re-establish contact, they won't even remember what they were talking about. 15) You hear someone on the repeater giving directions to a visiting amateur. Even if the directions are good, make sure you break-in with your own "alternate route but better way to get there" version. This is most effective if several other LID trainees join in, each with a different route. By the time the amateur wanting directions unscrambles all the street names whizzing around in his head, he should have mobiled out of range of the repeater. This keeps you from having to stick around and help the guy get back out of town later.

16) Use the repeater for an hour or two at a time, preventing others from using it. Better yet, do it on a daily basis. If you can't use it that long regularly, make sure you talk about the same things you've talked about for the last two months. You never know, somebody might not already know that your Aunt Millie had her gall bladder removed. Your quest is to make people so sick of hearing your voice every time they turn on their radio, they'll move to another frequency. This way you'll lighten the load on the repeater, leaving even more time for you to talk on it.

17) When you sign, be sure and say "seventy threes". Originally, the

Zero Beat

term "73" was intended to mean "best regards". The English language is deteriorating anyway, so why not tell somebody "best regardses". Sounds wonderful to me. This is similar to "SWR's" I enjoy hearing people discuss the SWR's of their antenna systems "Well Billy Bob, the SWR's of my antenna is 1.6 to 1." My antenna only has one standing wave ratio. Sometimes it isn't very good, but it's the only one I've got. Did you ever wonder where these guys keep their other SWR's they never tell you about? I sure have.

Just using a few of these easy steps should put you well on the way to LID-hood. I hope these helpful hints will save you some time in your quest to sound like the perfect LID.

73's de NØLID (For identification purposes only.)

P.S. "Rusty Bumpers" is a pen name. He maintains anonymity so he can sit peacefully at club meetings and avoid the wrath (and breath) of the uninformed.

Fox Hunting Notes *[From the Internet...Ed.]*

"Don Lewis, KF6GQ did a repeater type transmitter. You transmit on one frequency and it responds on another. I think he also did one that beconned for 10 seconds on the same frequency when you transmitted. It then would not respond for a minute or so. This caused a lot of the hunters to track each other when they were trying to turn on the real transmitter. It boiled down to some transmitting a lot and others not transmitting at all, just listening.

I did a hunt with two transmitters, carefully netted on frequency so there was no heterodyne, that were both remotely controlled from a common source (on 220). The audio was identical on the two transmitters, having come from the remote 220 control station. The region of equal signal strength was over Santa Monica Bay, so the hunters wouldn't realize that there were two transmitters.

The transmitters were sited so that they illuminated the region around the other transmitter and from all accessible "normal" roads the far away transmitter was a lot stronger. The start was near one of the transmitters. The hunters got a bearing on the far away one and when they drove there (25 miles) all of the signal pointed back at the other one, near the start. When they went back, they again were

seeing the one across the bay. A fun hunt. It took 28 hours for the first team to find both transmitters and they were only 12 miles apart (25 miles by road) and these are expert class hunters.

We (Southern California) have scheduled a hunt for the last weekend in August where we are inviting as many transmitters as can be found, created or synthesized. The only rules are that the transmitters be intermittent, be on 146.565 MHz and be in San Diego County. We know of 55 transmitters and figure that we will have about 80 or so all on the same frequency, all on at the same time all contained within 50 miles or so of each other. The record to date is 19 at a time (I think), so this should be an experience."



OM/YL LUNCH BUNCH

The Lunch Bunch will get together for lunch and visiting September 19th, Noon time, at the Home Town Buffet, located in the Shops At The Bluffs mall (Corner of Austin Bluffs and Academy.)

Rosie Calaway, WAØMNL
471-9965

Membership Application - Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ New Membership ☐ Renewal ☐

Name _____

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Call _____ License Class _____ Telephone _____

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Are you an ARRL member? Yes ☐ No ☐

One year membership rates. (Year starts with the month you receive your first issue.)

Full Member \$15.00 ☐ Family Membership (same address) \$18.00 ☐

Over 65 \$12.00 ☐ Family Membership (both over 65) \$12.00 ☐

Associate (outside El Paso or Teller Co.) \$12.00 ☐ Newsletter only \$12.00 ☐

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Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you.

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